PHENIX
WEEKLY PLANNING

May 7, 2015

C. Biggs

This Week

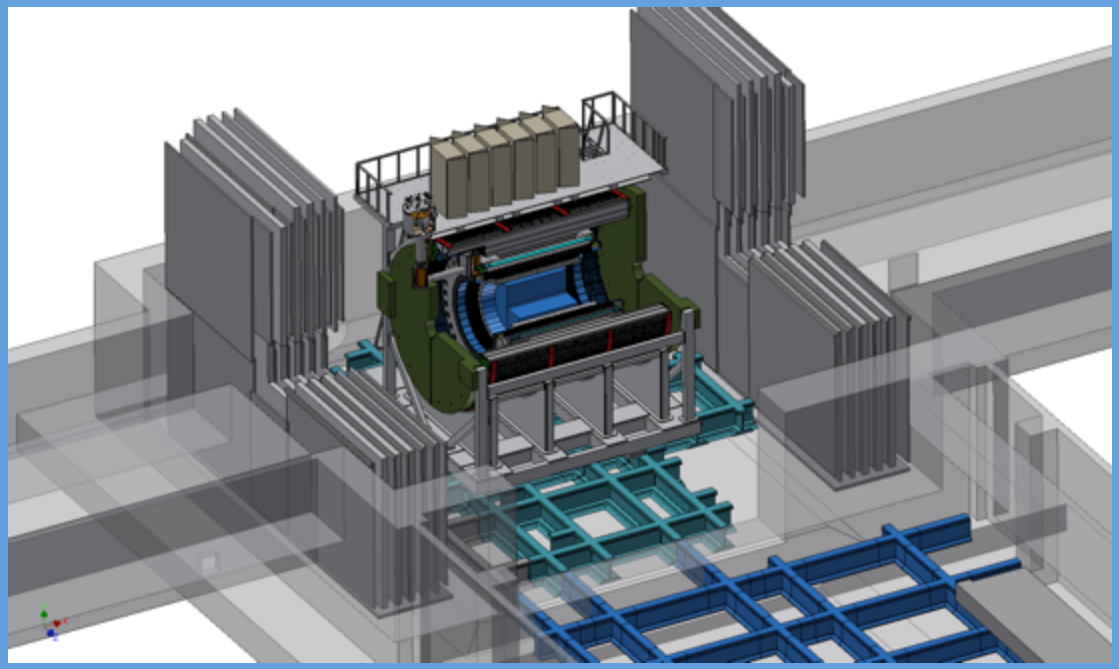
1. Tightened Voltage tap on CMI. Hoping it solves trip issue.
2. Planning s-PHENIX H-Cal mock-up.
3. Support Run 15

Next Week

Continue to support Run 15

Continue to support S-PHENIX

sPHENIX Engineering Status



May 7, 2015

Current Project Status & News

- Science Review last week
  - By all accounts a smashing success
  - Expect CDo soon, followed by several cost and schedule reviews (in-house and DOE)
  - Expect overall Project schedule to stay as planned
- Bi-weekly Tracker meetings begun
  - Design specifications and resource requirements to be sharpened. TPC/Silicon option to be scoped
- Master Project Schedule Scrubbing continues
  - Installation review next week, Magnet, Tracker
- sPHENIX Documentation
  - sPHENIX Wiki
  - sPHENIX Magnet (link can be found on sPHENIX wiki page)
  - sPHENIX Document Database
  - Controlled Document Database – in progress

S-PHENIX EM Calorimeter News

Producing 2D Taped Modules

- Two methods being explored
  - Tilted wire frames (Jin)
  - Meshes with tapered holes (Sean)
    - Took more than 3 months to produce drawings for these parts
    - Web req for wire frames was placed on 4/8 and parts should be here next week.
    - Web req for meshes (some of which are also needed to do first assembly) was placed on 4/10 and was just approved *yesterday* ! Hope for delivery sometime in June.
- Still need to design and build tooling in order to start actually trying to make these modules
- Estimate a minimum of 2 months to produce first successful module (→ July/August)

sPHENIX Project Major Milestones: R&D

- CD0 - September 2015
- HCal Preliminary R&D
- EMCal Preliminary R&D
- Calorimeter Prototype Beam Test(1) - April 2016
- Calorimeter full scale Engineering Prototypes
- Calorimeter Wooden Bird Prototypes
- V2 Calorimeter Prototype Test
- Preproduction Calorimeter Prototype Tests
- Tracker Preliminary R&D complete
- Tracker Prototype(s) v1 test
- Tracker Prototype(s) v2 test
- Preproduction Tracker Prototype(s) test

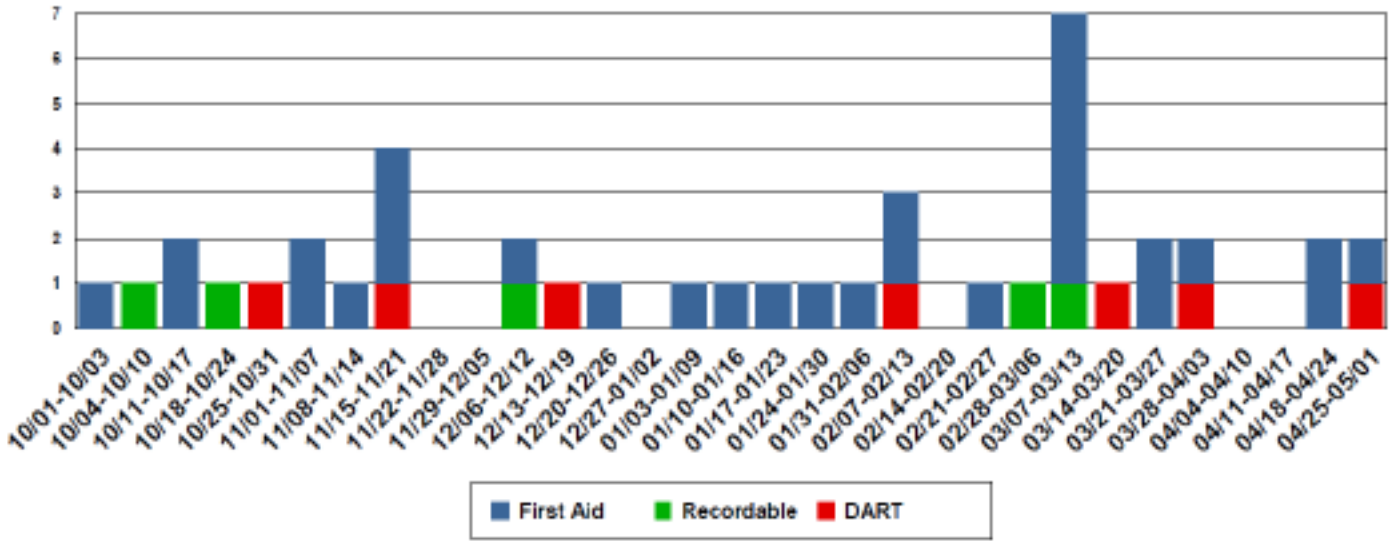
sPHENIX Project Major Milestones: Production

- CD0 - September 2015
- Calorimeter Prototype Beam Test - April 2016
- Begin Decommissioning - July 2016
- Complete commissioing -
- Start Infrastructure Procurement - October 2016
- Start Detector Procurement
  - Outer HCal -
  - Inner HCal -
  - EMCal -
  - Tracker -
- Start Detector/ Magnet Installation
  - Base -
  - Outer HCal -
  - Inner HCal -
  - EMCal -
  - Tracker -
- Start Magnet Mapping -
- Detector Commissioning Complete, Ready for 1st Run -

Current HCal Current Status

- Drawings for full Engineering prototype ready for quote
- Vendor Meetings this month:
  - Strecks next week (Don, Rich, Anatoli)
  - ATLAS end of month (Don, Rich, Anatoli)
- HCal Meeting at GSU
  - Meet with GSU shop staff to discuss assembly of Inner HCal at GSU
  - Meet with local potential stainless component fabricators
- Drawings for performance prototype in progress
  - Steel drawings in progress
  - Light collection component drawings waiting for direction after R&D

Injuries Per Week (FY)
As of 5/1/2015



Injury Status:

FY15 YTD: DART – 7, TRC – 12, First Aid – 31
FY14: DART – 17, TRC – 33, First Aid – 38
FY13: DART – 18, TRC – 39, First Aid – 52

FY15 Injury Listing:
https://intranet.bnl.gov/esh/shsd/seg/OccInj/BNLInjuries.aspx

Recent Injuries		
4/29/15	DART	An employee injured his hand while using an axe during a training exercise. After evaluation at the OMC, the employee returned to work with restrictions.
4/27/15	First Aid	An employee dropped a cylinder on their foot. It was reported to the OMC three days later and first aid was given.

Recent Events		
4/29/15	SC-4	A fire protection isolation valve was found in the closed position by the Facility Project Manager and AC Mechanic while discussing troubleshooting efforts on HV-1 air handler. There was no impairment tag installed. Through conversation with the Alarm Shop Supervisor, a Quarterly Preventive Maintenance was performed on the fire protection/detection system that identified a no flow indication. The valve has been opened and locked in the open position, and the system tested and returned to service. It is not currently known how the valve made it to the closed position without due process. (Event Link)

From Gail Mattson, ALD for ES&H:

- **BNL Office Ergonomic Program:**
- The BNL office ergonomic program provides various resources to all employees who utilize a computer work station. We offer the use of a self-assessment tool that is available on the ES&H web site. The tool was designed to give each individual who utilizes a computer work station the opportunity to evaluate their own work station in the comfort of their own office. The self-assessment tool has a series of questions and diagrams regarding workstation setup and also provides tips on how to improve it. The results of your assessment will provide an overview of you ergonomic compliance.
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- After completing the self-assessment tool, you may request an official computer work station assessment by an Ergonomic assessor. The Ergonomic assessor will make the necessary adjustments for your workstation. This may include adjusting the height of your monitors to looking at new chairs and other equipment at the Ergonomic Showroom located at Bldg 120. A follow up will be initiated by the Ergonomic assessor within a reasonable time frame to assure that adjustments made or equipment installed have resulted in an ergonomically compliant computer work station.
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- Click here to start your self-assessment of your computer workstation:
  BNL Ergonomic Computer Workstation Tool.
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- **Computer Workstation Ergonomic assessments:**
- Computer work station ergonomic assessments can be requested in several different ways:
- 1) The computer work station request can be a result of using the self-evaluation tool and the use of this tool is encouraged as it will cover the largest using population at the laboratory.
- 2) The computer work station evaluation may be a request as a result of an Occupational Medical Clinic exam.
- 3) The commuter work station request can also be a result of the individual Department or organization.

Where To Find PHENIX Engineering Info

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm